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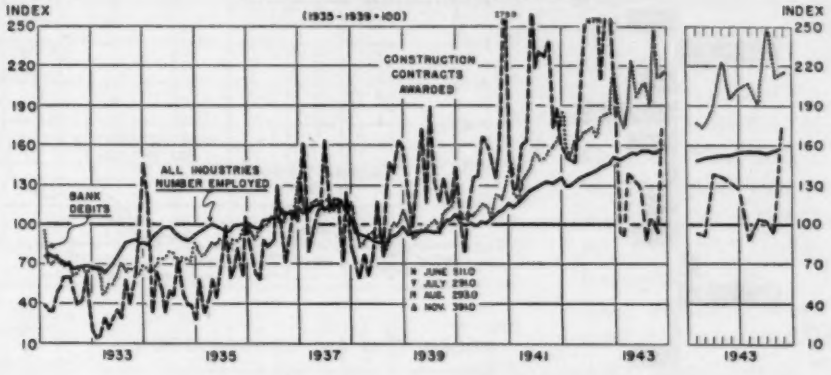
INDEXES OF OHIO BUSINESS



The Trend of Business

IN THE UNITED STATES

Business Activity in the United States for the 4 weeks ending January 1, 1944, was down fractionally from the previous 4 weeks but was 7 per cent above the corresponding 4-week period in 1943, according to the *New York Times* index. For the first 11 months of the year 1943, as compared with 1942, business activity, according to this index, was up 5 per cent. Freight car loadings for the same period dropped 16 per cent from the previous 4 weeks but were 6 per cent above the same period in 1943.

Industrial Production, as measured by the Federal Reserve Board index dropped fractionally in November from October, but was 12 per cent above November, 1942, and for the first 11 months of 1943 was 21 per cent above the same period in 1942.

Income Payments were up 2 per cent in November from October, 17 per cent from 1942 and for the first 11 months of 1943 were 24 per cent above the same period in 1942.

Munitions Production was up 3 per cent in November from October, 48 per cent from November, 1942, and for the first 11 months of 1943 was 86 per cent above the same period in 1942.

Steel Production was down 3 per cent and pig iron production 4 per cent in November from October, but, as compared with November, 1942, steel production was up 3 per cent and pig iron production, fractionally; for the first 11 months of 1943 as compared with the same period in 1942, steel production was up 4 per cent and pig iron production 3 per cent.

Retail Sales continued to increase through November. Sales of independent retailers in 34 states were up 5 per cent in November from October, 20 per cent from November, 1942, and 16 per cent for the first 11 months of 1943, as compared with the same period in 1942. Department store sales were up 16 per cent in November from October, 15 per cent from November, 1942, and 14 per cent during the first 11 months of the year. Chain store sales were up 3 per cent in November from October, were unchanged from November, 1942, but for the first 11 months of 1943 were 4 per cent above the same period in 1942.

Commodity Prices were substantially unchanged in November from October; wholesale commodity prices and retail food prices were down fractionally, and department store prices were unchanged. For the first 11 months of 1943, as compared with the same period in 1942, wholesale commodity prices were up 5 per cent, retail food prices 12 per cent, department store prices fractionally, and the cost of living 6 per cent.

Construction Activity, as measured by the value of contracts awarded in 37 eastern states, was down 14 per cent in November from October, 72 per cent from November, 1942, and for the first 11 months of 1943 were 60 per cent below the same period in 1942.

IN OHIO

Bank Debits in 18 Ohio cities were up 2 per cent in November from October, 16 per cent from November, 1942, and for the first 11 months of the year were 19 per cent above the same period in 1942.

Retail Sales of independent dealers dropper fractionally in November from October but were 11 per cent above 1942, and for the first 11 months of the year were 10 per cent above the same period in 1942. Department store sales were up 12 per cent in November from October, 23 per cent from November, 1942, and for the first 11 months of the year, 16 per cent for the same period in 1942. Dyers' and cleaners' sales dropped 11 per cent in November from October but were 29 per cent above November, 1942.

Living Costs in 6 Ohio cities dropped fractionally in November from October but were 5 per cent above 1942, and for the first 11 months of 1943 were 7 per cent above the same period in 1942.

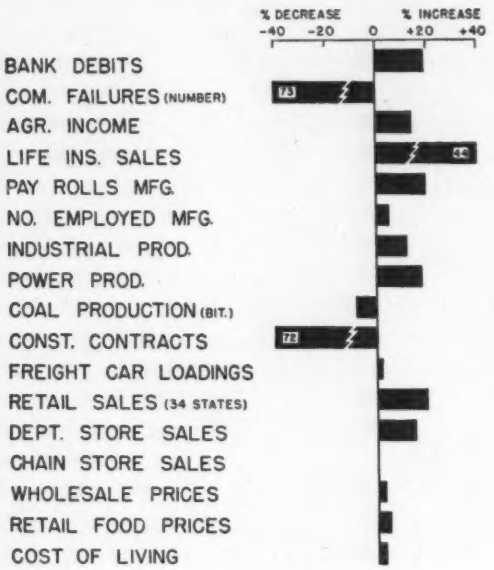
Construction Activity, as measured by the value of contracts awarded, was up 83 per cent in November from October but was 56 per cent below November, 1942.

(Continued on Page 3)

Entered as second class matter March 3, 1926, at the Post Office at Columbus, Ohio, under the Act of August 24, 1912. Acceptance for mailing at the special rate of postage provided for in section 1103, Act of October 3, 1917, authorized March 3, 1926.

Business in the United States

Nov. 1943 Compared with Nov. 1942

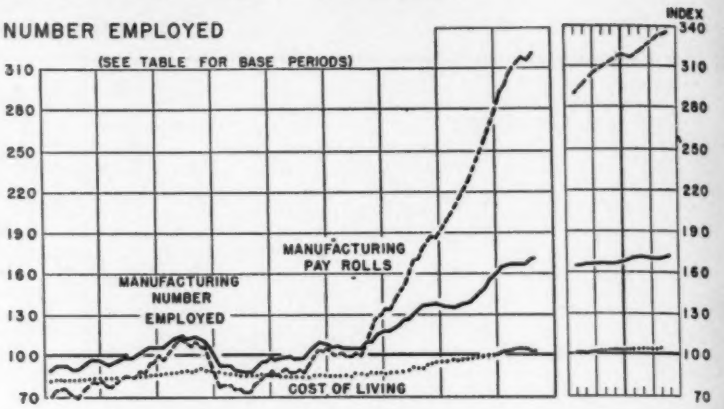


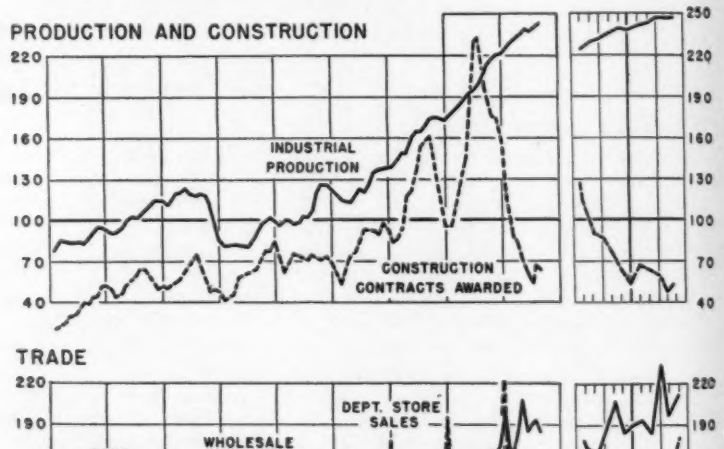
WAR FINANCE, UNITED STATES, CUMULATIVE FROM JUNE, 1940

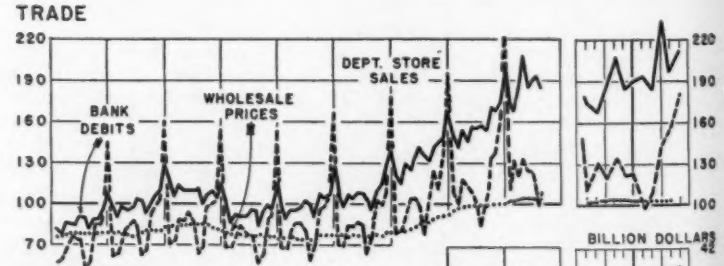
(Million Dollars)

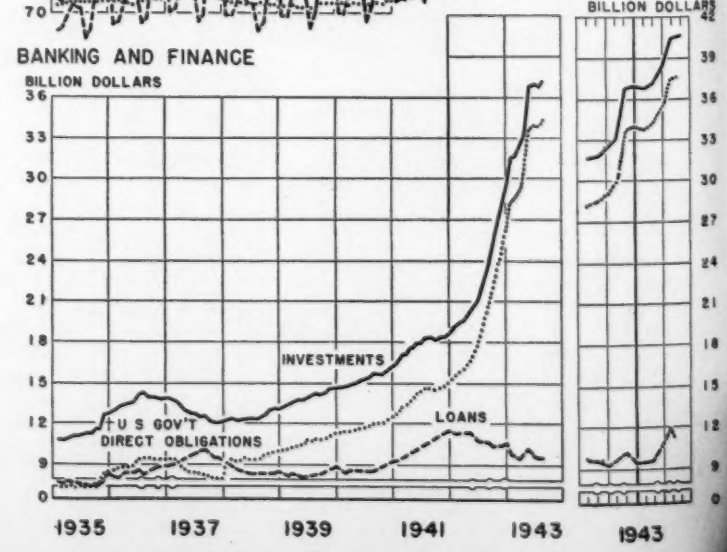
War Finance Item	*Nov. 30, 1943*	*Oct. 30, 1943*	*Nov. 30, 1942*	*Nov. 30, 1941*
Authorized War Program[a]	338,971	340,033[r]	237,659	64,331
Commitments[b]	(c)	250,466	165,772	47,074
Cash Expenditures	146,391	138,597	62,084	13,815
Gross Debt	166,158	165,047	96,116	55,066
War Savings Bonds (Series E, F, and G) Total for the one month	798	1,708	735	234

(a) The program included funds made available for war purposes by congressional cash appropriations, congressional contracts and tonnage authorizations and commitments by the Reconstruction Finance Corporation and its subsidiaries.
(b) Commitments include all transactions which legally reserve funds for expenditure and other transactions on which definite action has been taken toward procurement.
(c) Data not available.
(r) Revised.
Source: *Survey of Current Business*, U. S. Department of Commerce, Washington, D. C., January, 1944, p. s-18; January, 1943, p. s-17; June, 1943, p. 29.









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← U. S. Reference Data

ITEM — Unit or Index — Base Period	Nov. 1943	Oct. 1943	Change from Last Month: Nov. 1943 from Oct. 1943	Change from Last Year: Nov. 1943 from Nov. 1942	Change from Last Year: 11 months 1943 from 1942
General Business					
Totals, or Average Indexes for 4 Weeks Ended on Indicated Dates			%	%	%
Bus. Activity[10] 1/1/44.... *N.Y. Times*	145	146	— (1)	+ 7	+ 5
Fght. Car Loadings[11] 1/1/44.. *Thous.*	2,867	3,413	— 16	+ 6	— (1)
Com. Failures[12] 12/30/43.... *Number*	128	137	— 7	— 70	— 66
Calendar Months					
•Bank Dbts.(Excl. N.Y.C.)[3,f] *1935-39*	211	197	+ 7	+ 19	+ 22
Total Inc. Payments[23,d] ... "	221	218	+ 2	+ 17	+ 24
Salaries and Wages Income[23,d] "	248	244	+ 2	+ 19	+ 27
Non-Agricultural Income[23,d] "	216	213	+ 2	+ 17	+ 22
Agr. Inc.(Cash from Mktgs)[13] *1924-29*	303	339	— 11	+ 14	+ 25
Life Ins. Sales[21] *1935-39*	110	108	+ 2	+ 44	+ 14
Steel Ingot Oper. Rate[13]..%*Capacity*	99	101	— 3	+ (1)	+ 2
Securities Issued—New..*Mil. Dol.*	165	57	+189	+432	— 41
Securities Issued—Refunding " "	192	144	+ 33	+178	+ 56
Employment and Pay Rolls[16]					
•No. Employed—Mfg..... *1939*	171	170	+ (1)	+ 5	+ 11
No. Empl'd—Trade—Retail..... "	104	101	+ 4	— 2	— 4
No. Empl'd—Trade—Whl'sale... "	96	94	+ 1	— 5	— 6
•Pay Rolls—Manufact..... "	336	333	+ (1)	+ 20	+ 32
Production					
•Industrial Prod.[13]..... *1935-39*	247	248	— (1)	+ 12	+ 21
Munitions Production[14].... *Nov. 1941*	665	647	+ 3	+ 48	+ 86
Elec. Power Prod.[20].. *Mil. of K.W.H.*	19,488	19,566	— (1)	+ 18	+ 17
Bitum. Coal Prod.[21]....*Thous. Tons*	43,675	48,740	— 10	— 8	+ (1)
Steel Prod.[13] *Av.Weekly Tons Thous.*	1,718	1,765	— 3	+ 3	+ 4
Pig Iron Prod.[14] .....*Thous. Tons*	5,096	5,324	— 4	+ (1)	+ 3
Shipmts—U.S. Stl. Cp.[14] *Thous. Tons*	1,661	1,795	— 7	— (1)	— 4
Mach. Tool Shipments[22]...*Mil. Dol.*	72	78	— 8	— 41	— 6
Construction (Value of Contracts Awarded—37 Eastern States)					
•Total(Index)[15] 3 Mo. Mov.Av. *1923-25*	53	48	+ 10	— 70	— 58
Total[23] .....*Thous. of Dol.*	184,399	213,529	— 14	— 72	— 60
Residential[23] ..... " "	58,384	69,739	— 16	— 63	— 52
Non-Residential[23] ..... " "	67,028	80,304	— 17	— 74	— 64
Public Works & Util.[23]. " "	58,987	63,486	— 7	— 76	— 60
Distribution					
Retail Sales (34 states)[23].....	—	—	+ 5	+ 20	+ 16
•Dept. Store Sales[18]..... *1923-25*	180	155	+ 16	+ 15	+ 14
Chain St. Sales[24] *Av.SameMo.1929-31*	187	181	+ 3	0	+ 4
Prices					
•Wholesale Commod. Prices[13].... *1926*	103	103	— (1)	+ 3	+ 5
•Cost of Living[29].....*1923*	104	104	0	+ 3	+ 6
Retail Food Prices[13] *1935-39*	137	138	— (1)	+ 5	+ 12
Dept. Store Prices[26] .....*Jan. 1931*	113	113	0	0	+ (1)

Banking and Finance

ITEM — Unit or Index — Base Period	Dec. 29 1943	Dec. 30 1942	Dec. 31 1941	Change from Last Month Amt.	Change from Last Year Per Ct.
Federal Reserve Banks[15]				$	%
U. S. Govt. Securities.....*Mil. Dol.*	11,533	5,953	2,249	+1,232	+ 94
Member Bank Borrowing.. " "	101	5	3	+ 53	(1)
Member Banks—101 Cities[15]					
•Total Loans ..... " "	10,839	10,321	11,370	—428	+ 5
Business & Agr. Loans & Open Market Paper .... " "	6,437	6,307	7,151	+ 14	+ 2
Brok. & Other Secur. Lns... " "	1,884	1,252	959	—404	+ 50
Real Estate Loans ..... " "	1,108	1,199	1,258	— 17	— 8
Other Loans..... " "	1,347	1,510	1,967	— 13	— 11
•Total Investments ..... " "	38,895	31,146	18,715	—1,300	+ 25
• U. S. Govt. Obligations..... " "	36,109	27,832	15,049	—1,268	+ 30
Demand Deposits ..... " "	33,895	28,257	23,650	+694	+ 20
Time Deposits ..... " "	6,155	5,233	5,348	+124	+ 18
Money and Interest Rates[15]					
Money in Circulation ..... " "	20,428	15,407	11,161	+702	+ 33
Monetary Gold Stock ..... " "	22,004	22,726	22,736	— 77	— 3
Call Money Rate .....%	1.00	1.00	1.00	0	0
Security Markets[27]					
Stock Prices—354 Ind.,*Index. 1935-39*	94	80	73	+ 1	+ 18
" " —20 Rails " "	86	69	61	+ (1)	+ 23
" " —28 Util. " "	85	65	65	+ (1)	+ 31
Bond Yld—Corp. Al+(highestgr.) %	2.828	2.858	2.859	+0.009	— 1

•Indicates Series Charted (page 2). For Sources and Footnotes, see page 3a.

Reference Data—Ohio →

ITEM	Unit or Index Base Period	Nov. 1943	Oct. 1943	Change from Last Month: Nov. 1943 from Oct. 1943	Change from Last Year: Nov. 1943 from Nov. 1942	Change from Last Year: 11 months 1943 from 1942
General Business						
				%	%	%
•Bank Debits[a,f] (18 cities)	1935-39	215	211	+ 2	+ 16	+ 19
Commercial Failures[12]	Number	11	3	+ 8†	— 7†	—19†
" Liabilities[12]	Thous. Dol.	142	47	+202	+ 13	— 67
Life Ins. Sales[21]	1935-39	111	108	+ 2	+ 47	+ 19
Agr. Income—total[20]	1924-28	199	192	+ 4	+ 15	+ 29
Meat Animals	" "	267	267	0	+ 11	+ 36
Dairy Products	" "	157	173	— 9	+ 15	+ 29
Grains	" "	67	73	— 8	— 8	— 8
Poultry and Eggs	" "	253	180	+ 41	+ 27	+ 37
•Electric Power Produc.[20,f]	1935-39	212	211	+ (c)	+ 14	+ 17
Bit. Coal Production[22]	Thous. tons	2,183	2,646	— 17	— 17	— 3
Employment and Pay Rolls[7]						
Number Employed:						
• Total (7278)[a]	1935-39	156	155	+ (c)	+ 6	+ 11
• Manufacturing (2519)	"	171	170	+ (c)	+ 7	+ 15
• Nonmanufacturing (3883)	"	107	103	+ 4	— 1	— 4
Construction (876)[g]	"	99	100	— (c)	— 8	— 25
Pay Rolls—Mfg. (2519)	"	351	351	+ (c)	+ 23	+ 35
Man-Hours—Mfg. (2488)	"	231	231	+ (c)	+ 14	+ 23
Construction (Value of Contracts Awarded)[9]						
•Total (Index)	1935-39	172	94	+ 83	— 56	— 55
Residential	"	200	120	+ 67	+ 96	— 24
Non-Residential	"	127	106	+ 20	— 77	— 72
Public Works & Utilities	"	191	47	+310	— 66	— 47
Distribution						
Retail Sales—Independent Stores[6] (953)	See p. 3	—	—	— (c)	+ 11	+ 10
•Dept. Store Sales[5]	1935-39	221	197	+ 12	+ 23	+ 16
Dyers' & Cleaners' Sales[4] (81)[a]	%	195	221	— 11	+ 29	+ 21
Living Costs (6 Cit.)[23]	Jan. 1939	123	124	— (c)	+ 5	+ 7
Passgr. Car Reg.[3] (35 cos.)	Number	371	488	— 24	— 39	—
Truck Reg.[3] (23 cos.)	"	205	443	— 54	+503	—
Used Car Reg.[3] (86 cos.)	"	18,263	20,169	— 9	— 38	—

Banking (4th Federal Reserve District)[16]

ITEM	Unit	Dec. 29 1943	Dec. 30 1942	Dec. 31 1941	Change from Last Month Amt.	Change from Last Year Per Ct.
Cleveland Federal Reserve Bank					$	%
U. S. Gov. Securities	Thous. Dol.	1170669	500,668	223,162	+361094	+134
Member Bank Borrowings	"	640	468	187	+325	+ 37
Member Banks—4th District						
•Total Loans	Mil. "	851	768	884	— 54	+ 11
Bus. & Agr. Loans and Open Mkt. Paper	" "	422	408	461	— 6	+ 3
Brok. & "Other Secur." Lns.	" "	106	31	35	— 29	+242
Real Estate Loans	" "	167	178	185	— 3	— 6
Other Loans	" "	156	151	204	— 4	+ 3
•Total Investments	" "	3,158	2,280	1,473	— 50	+ 39
• U. S. Gov. Obligations	" "	2,914	2,004	1,205	— 48	+ 45
Demand Deposits	" "	2,809	2,225	1,781	+ 62	+ 28
Time Deposits	" "	867	735	733	+ 15	+ 19

•Indicates Series Charted (page 3). For Sources and Footnotes, see below.

FOOTNOTES FOR BULLETIN TABLES

[p] Preliminary; [(c)] Less than 1%; [(c)] More than 1,000% increase; † Change in number of failures; [a] Figures in parentheses show number of firms reporting this month; [b] Data not available; [c] Comparable data not available—only percentage change available; [d] Adjusted for seasonal changes; [e] Bureau of Business Research estimate; [f] Adjusted for number of working days; [g] Not including government financed projects.

Primary Sources:

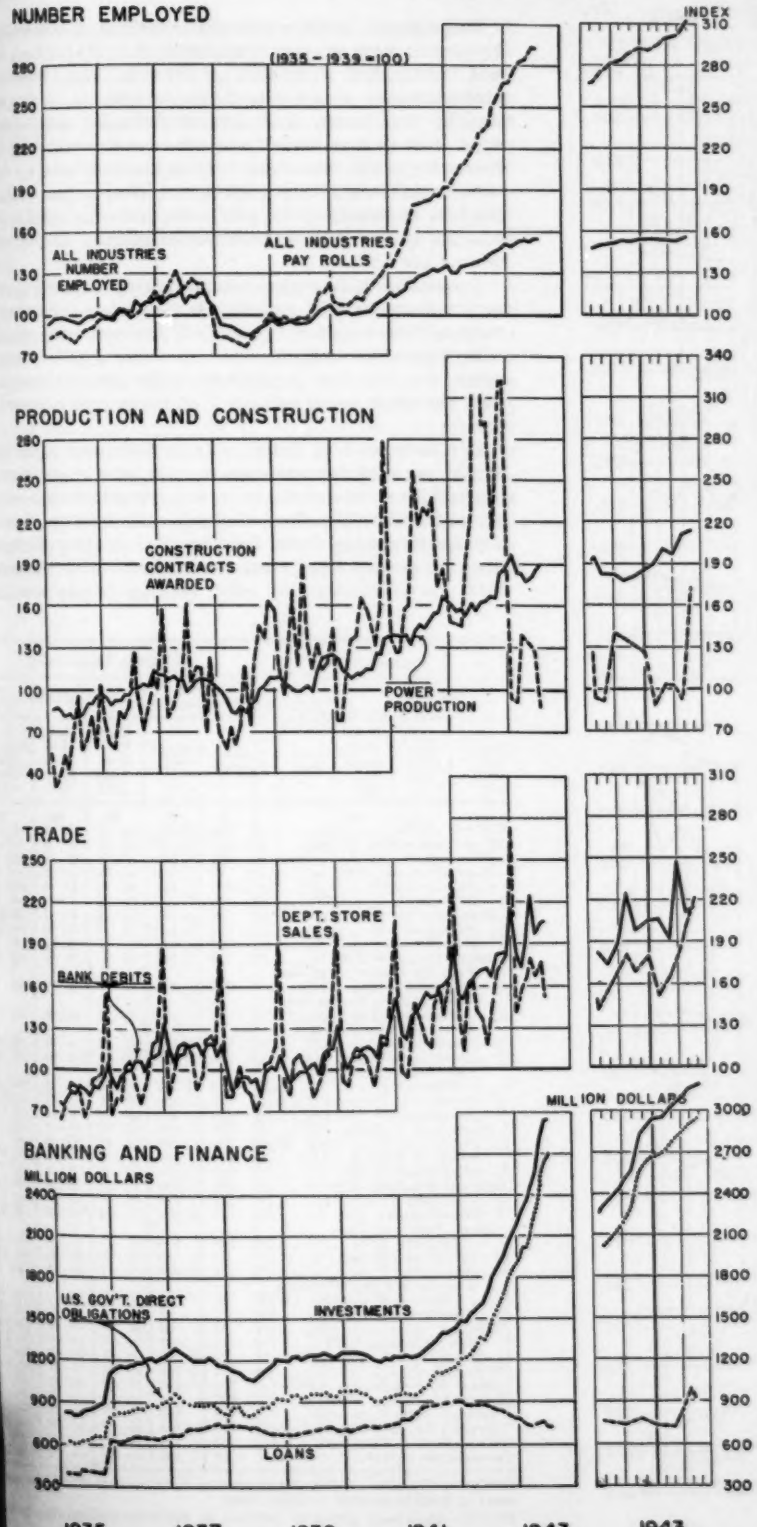
Computed from original data collected by the Bureau of Business Research from: [1] Local Power and Light Co's; [2] County Clerks of Courts; [3] Local Gas Co's (Gas meters in use); [4] Ohio cleaners and dyers; [5] Ohio wholesale grocers.

Compiled by the Bureau of Business Research from data collected in co-operation with: [6] Bureau of the Census, U. S. Dept. of Commerce.

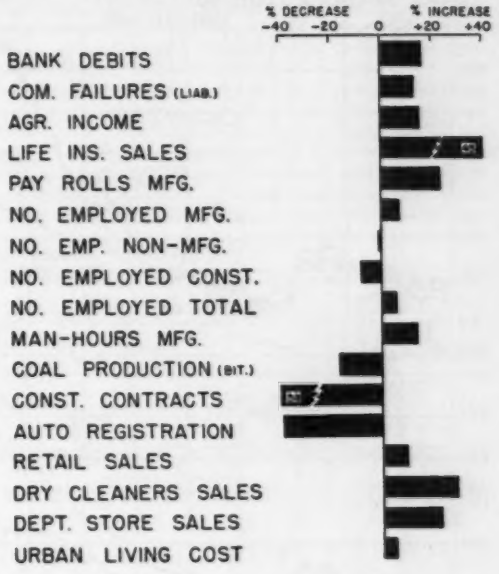
Compiled by the Bureau of Business Research from special tabulations supplied by: [7] Bureau of Labor Statistics, U. S. Dept. of Labor; and from data of: [8] Board of Governors of the Federal Reserve System; [9] F. W. Dodge Corporation.

Other Data Sources: [10] *New York Times;* [11] Association of American Railroads; [12] Dun & Bradstreet, Inc.; [13] American Iron & Steel Institute; [14] *Steel* Magazine; [15] Federal Reserve Board; [16] U. S. Dept. of Agriculture; [17] *Commercial & Financial Chronicle;* [18] U. S. Bureau of Labor Statistics; [19] Warth Reports; [20] Federal Power Commission; [21] Bituminous Coal Division, U. S. Dept. of Interior; [22] U. S. Steel Corporation; [23] F. W. Dodge Corporation; [24] *Chain Store Age;* [25] U. S. Dept. of Commerce; [26] Fairchild Publications; [27] Standard Statistics Co.; [28] Dept. of Rural Economics, O. S. U.; [29] National Conference Board; [30] R. L. Polk & Co.; [31] Life Insurance Sales Research Bureau; [32] War Production Board.

Business in Ohio



Nov. 1943 Compared with Nov. 1942



RETAIL SALES — INDEPENDENT STORES IN OHIO[a]

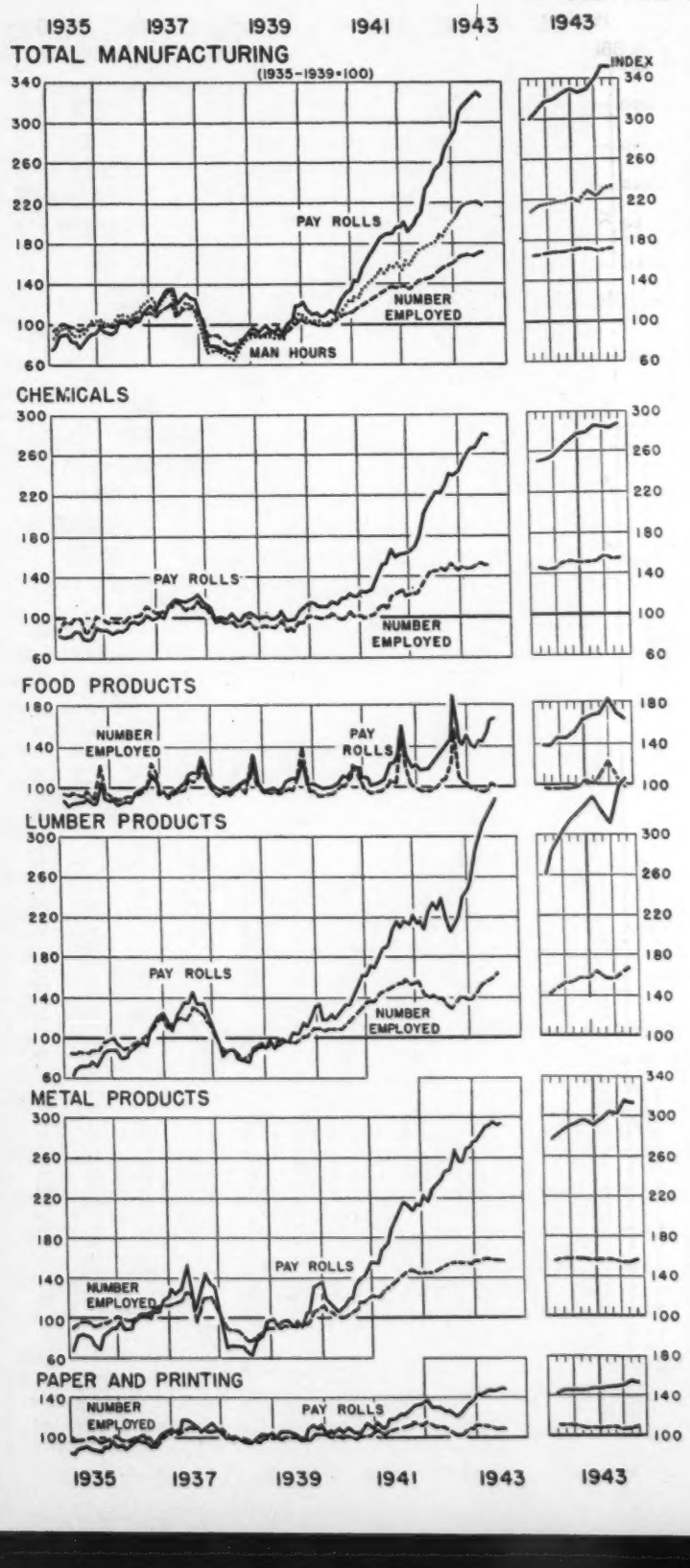
KIND OF BUSINESS	Stores	Sales Nov. 1943	Changes in Sales from Last Mo.	Changes in Sales from Last Year	
			Nov. 1943 from Oct. 1943	Nov. 1943 from Nov. 1942	11 Mos. 1943 from 1942
	Number	$000	%	%	%
FOOD	155	1,009	— 8	+ 7	+ 17
Candy & Confectionery	10	29	— 6	+ 24	+ 24
Groceries (no meats)	15	80	— 20	— 27	+ 3
Groceries (with meats)	124	889	— 7	+ 12	+ 19
Meat markets	6	10	— 10	— 6	+ 12
APPAREL	102	3,271	+ 5	+ 21	+ 18
Men's clothing	39	667	+ 6	+ 23	+ 5
Family clothing	21	828	+ 9	+ 14	+ 20
Women's clothing	18	1,495	+ 6	+ 28	+ 28
Shoe stores	24	280	— 14	+ 7	+ 7
AUTOMOTIVE	50	534	— 4	— (c)	— 10
Motor vehicles	44	516	— 4	— (c)	— 10
FURNITURE	87	1,643	+ 11	+ (c)	— 4
Furniture	70	1,582	+ 11	+ 4	— (c)
Household appl. & radios	16	52	— 2	— 53	— 45
BUILDING	191	2,338	— 8	+ 10	— 4
Lumber & Bldg. material	54	1,226	— 11	+ 14	— (c)
Hardware	131	1,059	— 6	+ 3	— 9
EATING AND DRINKING	67	904	— 5	+ 20	+ 27
Restaurants	55	844	— 5	+ 20	+ 27
Drinking places	12	60	— 6	+ 25	+ 34
OTHERS	59	299	— 7	+ 8	+ 11
Country general	37	22,649	+ 14	+ 21	+ 14
Department stores	115	516	— 4	+ 14	+ 20
Drug stores	5	34	— 2	+ 25	+ 25
Florists	15	118	+ 5	+ 7	— 4
Filling stations	61	625	+ 32	+ 22	+ 27
Jewelry	6	78	+ 21	+ 24	+ 9
Sporting goods	963				
All lines:			— (c)	+ 11	+ 10
Weighted by annual sales—1939 census			+ 3	+ 7	+ 10
Adjusted for number of working days					

For footnotes and sources, See Page 3a.

(Continued from Page 1)

Agricultural Income rose 4 per cent in November from October, 15 per cent from November, 1942, and for the first 11 months of 1943 was 29 per cent above the same period in 1942.

Number Employed, Pay Rolls, nd M



Employment in Ohio industry increased fractionally in November from October, 6 per cent from November, 1942, and for the first 11 months of the year was 11 per cent above the same period in 1942. Manufacturing employment was up fractionally and nonmanufacturing employment, 4 per cent in November from October; as compared with November, 1942, manufacturing employment was up 7 per cent, nonmanufacturing employment, down 1 per cent; for the first 11 months of the year, manufacturing employment was up 15 per cent and nonmanufacturing employment, down 4 per cent.

Seven of the 10 major manufacturing industry groups reported employment increases in November from October ranging from fractional gains to 3 per cent. As compared with November, 1942, 6 of the 10 major groups reported gains. For the first 11 months of the year, as compared with the same period in 1942, 7 of the groups reported increases.

Pay Rolls were up fractionally in November from October, 21 per cent from November, 1942, and 30 per cent for the first 11 months of the year, as compared with the same period in 1942. Manufacturing pay rolls were up fractionally in November from October, and nonmanufacturing pay rolls gained 2 per cent. As compared with November, 1942, manufacturing pay rolls were up 23 per cent, and

INDUSTRIAL GROUP	NUMBER EMPLOYED[1]					PA
	INDEX 1935-39=100		CHANGE			INDEX 39=100
	Nov. 1943	Oct. 1943	Nov. 1943 from Oct. 1943	Nov. 1943 from Nov. 1942	11 months 1943 from 1942	Oct. 1943
			%	%	%	
TOTAL (7278)[2]	156	155	+ ω	+ 6	+ 11	311
All Manufacturing (2519)	171	170	+ ω	+ 7	+ 15	351
Chemicals (148)	155	155	— ω	+ 6	+ 7	284
Food Products (209)	99	110	— 10	— 5	— 6	172
Bakery (61)	107	106	+ ω	— 4	— 4	170
Miscellaneous (148)	90	106	— 16	— 4	— 8	167
Lumber Products (81)	166	161	+ 3	+ 19	+ 13	346
Furniture (44)	174	167	+ 4	+ 30	+ 16	379
Miscellaneous (37)	120	121	— 1	— 22	— 9	226
Metal Products (629)	156	155	+ ω	+ ω	+ 8	314
Foundry Products and Drop Forgings (245)	208	207	+ ω	+ ω	+ 7	427
Pipes, Pumps, Valves and Plumbers' Supplies (17)	73	75	— 2	— 26	— 15	128
Screw Machine Products and Hardware (42)	169	166	+ 2	+ 9	+ 10	307
Sheet Metal Work (81)	129	128	+ ω	+ 16	+ 6	384
Steel Works and Rolling Mills (91)	128	128	+ ω	— 6	— 5	255
Stoves and Furnaces (32)	126	124	+ 1	+ 28	+ 24	242
Miscellaneous (121)	237	235	+ ω	+ 7	+ 13	436
Paper and Printing (234)	108	106	+ 2	— 1	+ 1	184
Paper, inc. Stationery (26)	110	109	+ 1	+ 3	+ 1	184
Print. & Publish. (166)	104	102	+ 2	— 5	+ ω	141
Miscellaneous (42)	117	116	+ 1	+ 5	+ 5	193
Rubber Products (49)	151	146	+ 3	+ 16	+ 19	300
Tires and Tubes (15)	153	149	+ 3	+ 17	+ 17	300
Miscellaneous (34)	138	134	+ 3	+ 13	+ 20	213
Stone, Clay, and Glass Products (136)	107	106	+ ω	— 3	— 6	187
Brick and Tile (66)	80	80	— ω	— 23	— 23	125
Glass (20)	109	107	+ 2	+ 16	+ 5	179
Vitreous and Semi-Vitreous China and Pottery (34)	120	120	— ω	— 8	— 7	182
Miscellaneous (16)	86	89	— 4	— 31	— 27	156
Textiles (120)	88	88	— ω	— 8	— 8	165
Men's Clothing (52)	87	87	— ω	— 7	— 11	162
Miscellaneous (68)	82	83	— ω	— 9	— 8	175
Vehicles	317	316	+ ω	+ 21	+ 66	784
Misc. Manufacturing (603)	134	133	+ ω	+ 1	+ 9	333
Nonmanufacturing (3583)	107	103	+ 4	— 1	— 4	141
Service (349)	99	100	— ω	— 2	— 3	124
Trade (Ret. & Whls.) (3016)	111	104	+ 7	— ω	— 2	133
Transport. & Pub. Util. (518)	101	100	+ ω	— 3	— 3	155
Construction (876)[2]	99	100	— ω	— 8	— 12	176

Indexes of number employed and of pay rolls are based on the ... ment of 968,635 persons in 5,559 firms.

NOTE:—Machinery group is included in the total indexes but is ... for pu...

For sources and footnotes, see p. 8a.

...d Man-Hours in Ohio Industry

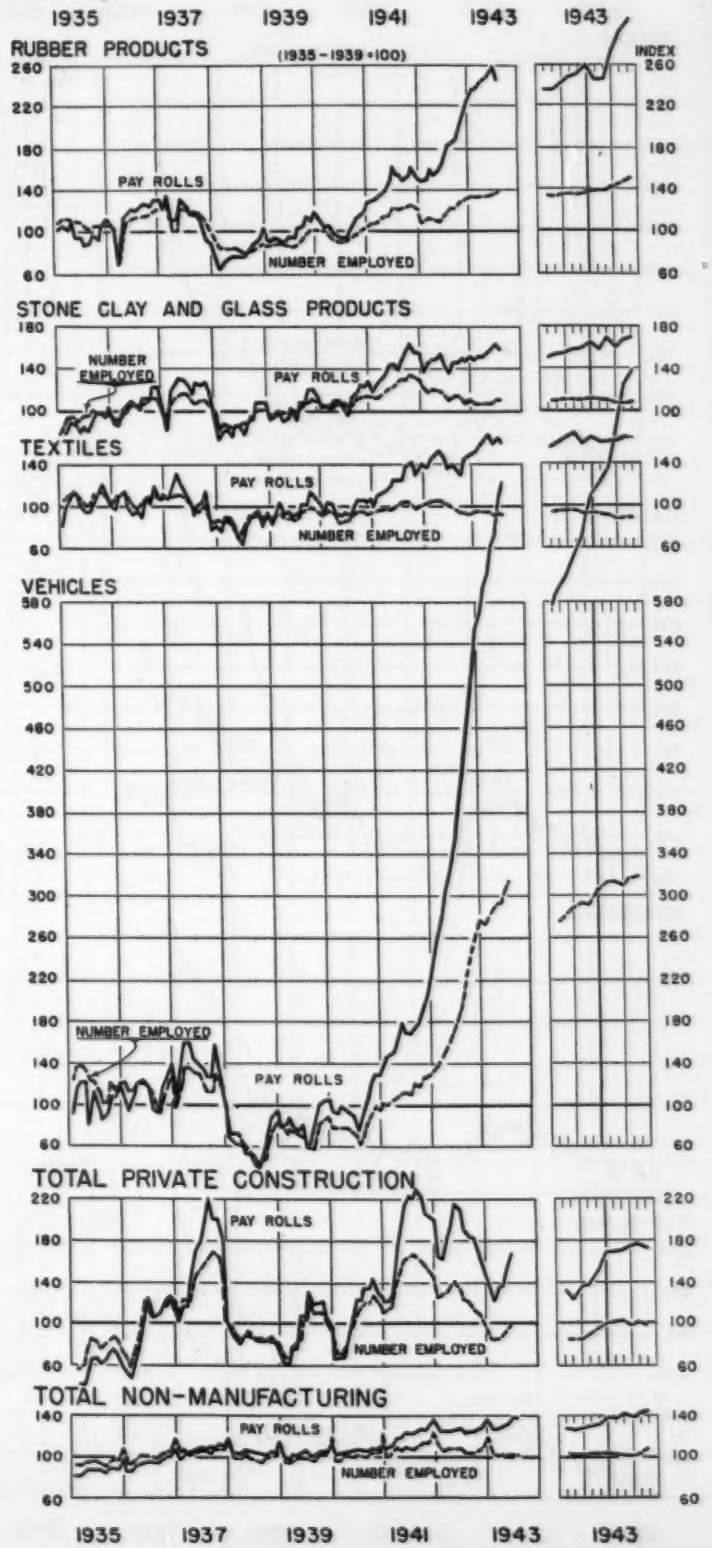
nonmanufacturing pay rolls, 11 per cent. For the first 11 months of the year, manufacturing pay rolls rose 35 per cent, and nonmanufacturing pay rolls, 8 per cent. Construction pay rolls dropped 2 per cent in November from October but were 3 per cent above November, 1942; for the first 11 months of the year, however, they were 16 per cent below the same period last year. All of the major manufacturing groups reported pay roll gains from November, 1942. Likewise, all of the groups reported gains for the first 11 months of the year from the same period in 1942.

Man-Hours Worked in manufacturing industries increased fractionally in November from October, 14 per cent from November, 1942, and for the first 11 months of the year, 23 per cent from the same period last year. Man-hours worked in nonmanufacturing gained 3 per cent in November from October, 2 per cent from November, 1942, but for the first 11 months of the year were fractionally below the same period last year. Seven of the major manufacturing industry groups reported increases in man-hours worked. All but one of the major manufacturing groups reported increases in man-hours worked from November, 1942, and all but two of the groups reported increases for the first 11 months of the year as compared with the same period in 1942.

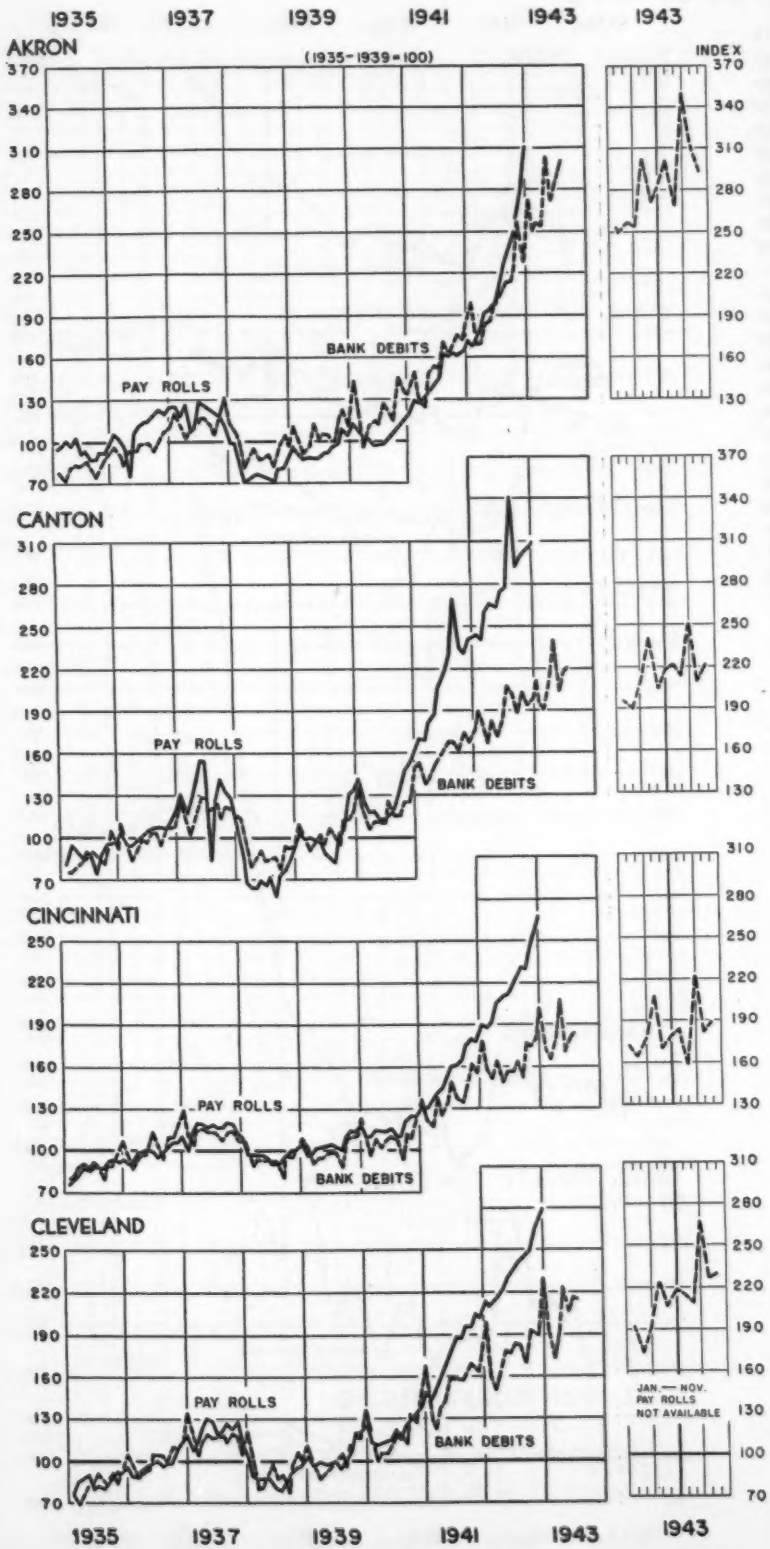
	Pay Rolls[2]				Man-Hours[2]				
	Index 1935-39=100	Change			Index 1935-39=100	Change		
	Oct. 1943	Nov. 1943 from Oct. 1943	Nov. 1943 from Nov. 1942	11 months 1943 from 1942	Nov. 1943	Oct. 1943	Nov. 1943 from Oct. 1943	Nov. 1943 from Nov. 1942	11 months 1943 from 1942
		%	%	%			%	%	%
	311	+ ∞	+ 21	+ 30	—	—	—	—	—
	331	+ ∞	+ 23	+ 35	231	231	+ ∞	+ 14	+ 23
	254	+ 2	+ 19	+ 27	194	191	+ 1	+ 10	+ 14
	172	— 4	+ 16	+ 15	106	117	— 9	+ 2	— ∞
	170	+ 1	+ 12	+ 14	119	118	+ ∞	+ 1	+ ∞
	107	— 7	+ 20	+ 15	92	107	— 14	+ 2	— 2
	346	+ 2	+ 43	+ 42	217	211	+ 3	+ 25	+ 21
	279	+ 3	+ 54	+ 47	228	219	+ 3	+ 35	+ 25
	226	+ ∞	— 7	+ 14	152	151	+ ∞	— 15	+ 1
	314	— 1	+ 14	+ 20	206	207	— ∞	+ 6	+ 11
	427	+ ∞	+ 15	+ 22	272	271	+ ∞	+ 4	+ 9
	133	+ 3	— 17	— 5	91	90	+ 1	— 23	— 9
	327	+ 2	+ 25	+ 30	214	208	+ 4	+ 8	+ 12
	284	+ ∞	+ 30	+ 27	180	180	— ∞	+ 23	+ 15
	255	— 4	+ 8	+ 11	166	170	— 2	+ ∞	+ 5
	262	+ 1	+ 57	+ 72	164	162	+ 1	+ 41	+ 56
	436	+ ∞	+ 19	+ 29	304	304	+ ∞	+ 10	+ 26
	184	— ∞	+ 12	+ 15	119	119	+ ∞	+ 6	+ 9
	184	— ∞	+ 23	+ 20	130	130	— ∞	+ 15	+ 10
	141	— ∞	+ 7	+ 12	113	112	+ ∞	+ ∞	+ 7
	138	+ ∞	+ 22	+ 27	135	134	+ ∞	+ 15	+ 18
	290	+ 5	+ 41	+ 48	214	207	+ 3	+ 24	+ 34
	300	+ 4	+ 42	+ 47	231	223	+ 3	+ 26	+ 33
	215	+ 7	+ 36	+ 53	145	141	+ 2	+ 15	+ 27
	107	+ 1	+ 14	+ 9	109	109	+ ∞	+ 5	— ∞
	125	— ∞	— 21	— 15	84	84	+ ∞	— 23	— 24
	179	+ 2	+ 47	+ 29	109	108	+ ∞	+ 32	+ 15
	102	+ 1	+ 1	+ ∞	100	100	— ∞	— 7	— 4
	105	— 5	— 20	— 6	100	101	— ∞	— 29	— 18
	165	— ∞	+ 11	+ 14	109	109	— ∞	+ 2	+ ∞
	102	— 1	+ 14	+ 8	115	115	+ ∞	+ ∞	— 3
	175	+ ∞	+ 11	+ 21	106	107	— ∞	— 2	+ 4
	734	+ 2	+ 54	+ 88	441	438	+ ∞	+ 30	+ 68
	338	+ 1	+ 6	+ 19	214	212	+ ∞	+ 16	+ 17
	141	+ 2	+ 11	+ 8	109	106	+ 3	+ 2	— ∞
	124	+ ∞	+ 9	+ 7	106	105	+ ∞	— ∞	+ 1
	133	+ 4	+ 7	+ 5	106	101	+ 5	+ 1	— ∞
	185	+ ∞	+ 17	+ 10	114	114	— ∞	+ 8	+ ∞
	178	— 2	+ 3	— 16	—	—	—	—	—

...of 1,006,247 persons in 7,278 firms; indexes of man-hours, on the employ...

...but is not ... for publication separately.



Business Conditions in



AKRON

All manufacturing employment rose 2 per cent in November from October, 8 per cent from November, 1942, and 30 per cent for the first 11 months of the year as compared with the same period in 1942. Construction employment was up 23 per cent from October but was down 36 per cent from November, 1942. Pay rolls in manufacturing industries increased 3 per cent from October, 24 per cent from November, 1942, and 52 per cent for the year to date. Cost of living declined fractionally from October, but was up 2 per cent from November, 1942. Retail sales of 28 independent retailers rose 8 per cent from October and 13 per cent from November, 1942. Bank debits were down 7 per cent in November from October. Total value of building permits was up 166 per cent from October and 775 per cent from November, 1942.

CANTON

November manufacturing employment declined fractionally from October, but was up 2 per cent, both from November, 1942, and for the first 11 months of the year as compared with 1942. Pay rolls in manufacturing industries decreased 4 per cent from October, but rose 9 per cent from November, 1942, and 15 per cent for the year to date. Sales of 33 independent retailers were up 7 per cent in November from October and 20 per cent from November, 1942. Bank debits were up 5 per cent from October and 12 per cent from November, 1942. The value of total building permits declined 83 per cent from October.

CINCINNATI

November manufacturing employment rose 1 per cent from October, 15 per cent from November, 1942, and 26 per cent for the first 11 months of the year as compared with 1942. Pay rolls in manufacturing industries were up fractionally from October, 31 per cent from November, 1942, and 46 per cent for the year to date. Cost of living declined 1 per cent from October, but was up 2 per cent from November, 1942. Sales of 56 independent retailers rose 14 per cent in November from October and 16 per cent from November, 1942. Retail food prices declined fractionally but were up 3 per cent from November, 1942. Bank debits rose 3 per cent from last month and 6 per cent from November, 1942. In November the steel industry operating rate was up fractionally.

CLEVELAND

All manufacturing employment rose fractionally in November from October, 9 per cent from November, 1942, and 16 per cent for the first 11 months of the year as compared with 1942. Pay rolls in manufacturing industries were up fractionally from October, 25 per cent from November, 1942, and 39 per cent for the year to date. Cost of living declined 1 per cent from October, but was up 3 per cent from November, 1942. Sales of 91 independent retailers were up 12 per cent from October and 16 per cent from November, 1942. Retail food prices declined fractionally in November from October, but were up 8 per cent from November, 1942. Bank debits rose 2 per cent from October and 24 per cent from November, 1942.

ITEM *Unit or Index Base Period*	Nov. 1943	Oct. 1943	Change from Last Month: Nov. 1943 from Oct. 1943	Change from Last Year: Nov. 1943 from Nov. 1942	Change from Last Year: 11 months 1943 from 1942
AKRON			%	%	%
Number Employed Indexes:[7]					
Total[b] *1935-39*	—	—	—	—	—
All Manufacturing (90)[a] .... "	208	205	+ 2	+ 8	+ 30
Nonmanufacturing[b] ..... "	—	—	—	—	—
Construction (53)[g] ..... "	112	91	+ 23	— 36	— 31
•Pay Roll Indexes:[7] Total[b] ..... "	—	—	—	—	—
All Manufacturing (90)[a] .... "	385	374	+ 3	+ 24	+ 52
Nonmanufacturing[b] ..... "	—	—	—	—	—
Construction (53)[g] ..... "	256	216	+ 19	— 28	— 21
Cost of Living[20] ..... *Jan. 1939*	126	126	— (1)	+ 2	+ 4
Retail Sales—Independent Stores[6] (28)[a]	—	—	+ 8	+ 13	+ 13
Auto Registrations:[2] New Cars .*Number*	30	42	— 29	— 50	— 50
" " New Trucks "	9	9	0	+ 80	— 8
•Bank Debits Index[8, f] *1935-39*	292	314	— 7	+ 22	+ 38
Commercial Failures[12] ..... *Number*	0	0	0	— 1†	— 2†
" Liabilities .....*Thous. Dol.*	0	0	0	—100	+188
Indus. Power Consump. Index[1, f] *1935-39*	284	281	+ 1	+ 25	+ 27
Val. Bldg. Permits—Tot. Ind.[13, f] *1935-39*	1,796	676	+166	+775	+ 25
Residential..... "	3,477	1,355	+157	+763	+164
Non-Residential ..... "	708	141	+403	(2)	— 32
CANTON					
Number Employed Indexes:[7]					
Total[b] *1935-39*	—	—	—	—	—
All Manufacturing (83)[a] .... "	190	191	— (1)	+ 2	+ 5
Nonmanufacturing[b] ..... "	—	—	—	—	—
•Pay Roll Indexes:[7] Total[b]..... "	—	—	—	—	—
All Manufacturing (83)[a] .... "	341	354	— 4	+ 9	+ 15
Nonmanufacturing[b] ..... "	—	—	—	—	—
Retail Sales—Independent Stores[6] (33)[a]	—	—	+ 7	+ 20	+ 14
Auto Registrations:[2] New Cars .*Number*	25	26	— 4	— 14	— 42
" " New Trucks "	3	7	— 57	+ 50	— 54
•Bank Debits Index[8, f] *1935-39*	221	209	+ 5	+ 12	+ 15
Commercial Failures[12] .....*Number*	0	0	0	0	— 2†
" Liabilities .....*Thous. Dol.*	0	0	0	0	— 18
Val. Bldg. Permits—Tot. Ind.[13, f] *1935-39*	68	400	— 83	— 74	— 39
Residential..... "	13	151	— 92	— 91	+ 13
Non-Residential ..... "	23	1,044	— 98	— 96	— 72
CINCINNATI					
Number Employed Indexes:[7]					
Total[b] *1935-39*	—	—	—	—	—
All Manufacturing (435)[a] ... "	213	211	+ 1	+ 15	+ 26
Nonmanufacturing[b] ..... "	—	—	—	—	—
Construction (180)[g] ..... "	64	70	— 8	— 8	— 33
•Pay Roll Indexes:[7] Total[b]..... "	—	—	—	—	—
All Manufacturing (435)[a] ... "	426	424	+ (1)	+ 31	+ 46
Nonmanufacturing[b] ..... "	—	—	—	—	—
Construction (180)[g] ..... "	96	104	— 8	+ 5	— 29
Cost of Living[20] ..... *Jan. 1939*	121	122	— 1	+ 2	+ 5
Retail Sales—Independent Stores[6] (56)[a]	—	—	+ 14	+ 16	+ 9
Retail Food Price Index[19] *1935-39*	135	136	— (1)	+ 3	+ 10
Auto Registrations:[2] New Cars .*Number*	46	43	+ 7	— 45	— 29
" " New Trucks "	91	269	— 66	(2)	+ 2
•Bank Debits Index[8, f] *1935-39*	188	181	+ 3	+ 6	+ 13
Commercial Failures[12] .....*Number*	2	0	+ 2†	— 2†	— 31†
" Liabilities .....*Thous. Dol.*	71	0	(2)	+129	— 82
Val. Bldg. Permits—Tot. Ind.[13, f] *1935-39*	8	9	— 13	+ 9	— 68
Residential..... "	0	2	—100	—100	— 96
Non-Residential ..... "	5	2	+219	+619	— 79
Steel Ind. Oper. Rate[15] ↓ *Wks. Av. % Cap.*	91	91	+ (1)	+ (1)	+ (1)
CLEVELAND					
Number Employed Indexes:[7]					
Total[b] *1935-39*	—	—	—	—	—
All Manufacturing (610)[a] ... "	190	190	+ (1)	+ 9	+ 16
Nonmanufacturing[b] ..... "	—	—	—	—	—
Construction (264)[g] ..... "	156	153	+ 2	— 10	— 28
•Pay Roll Indexes:[7] Total[b]..... "	—	—	—	—	—
All Manufacturing (610)[a] ... "	424	421	+ (1)	+ 25	+ 39
Nonmanufacturing[b] ..... "	—	—	—	—	—
Construction (264)[g] ..... "	188	182	+ (1)	+ 3	— 18
Cost of Living[20] ..... *Jan. 1939*	123	124	— 1	+ 3	+ 5
Retail Sales—Independent Stores[6] (91)[a]	—	—	+ 12	+ 16	+ 7
Retail Food Price Index[19] *1935-39*	143	144	— (1)	+ 8	+ 14
Auto Registrations:[2] New Cars .*Number*	107	163	— 34	— 29	— 46
" " New Trucks "	14	27	— 48	+ 56	— 57
•Bank Debits Index[8, f] *1935-39*	233	227	+ 2	+ 24	+ 22
Commercial Failures[12] .....*Number*	4	0	+ 4†	— 2†	— 44†
" Liabilities .....*Thous. Dol.*	23	0	(2)	+ 15	— 57
Val. Bldg. Permits—Tot. Ind.[13, f] *1935-39*	251	178	+ 40	+155	— 26
Residential..... "	378	347	+ 9	+228	+ 68
Non-Residential ..... "	189	7	(2)	+231	— 82
Steel Ind. Oper. Rate[15] ↓ *Wks. Av. % Cap.*	89	93	— 4	— 6	— (1)

•Indicates Series Charted (page 7). For Sources and Footnotes, see Page 8a.

ITEM *Unit or Index Base Period*	Nov. 1943	Oct. 1943	Change from Last Month: Nov. 1943 from Oct. 1943	Change from Last Year: Nov. 1943 from Nov. 1942	Change from Last Year: 11 months 1943 from 1942
COLUMBUS					
Number Employed Indexes:[7]			%	%	%
Total[b] *1935-39*	—	—	—	—	—
All Manufacturing (128)[a] ... "	219	217	+ 1	+ 11	+ 28
Nonmanufacturing[b] ..... "	—	—	—	—	—
•Pay Roll Indexes:[7] Total[b] ..... "	—	—	—	—	—
All Manufacturing (128)[a] ... "	482	471	+ 2	+ 26	+ 44
Nonmanufacturing[b] ..... "	—	—	—	—	—
Retail Sales—Independent Stores[9] (46)[a]	—	—	+ 14	+ 21	+ 21
Retail Food Price Index[10] *1935-39*	132	132	0	+ 6	+ 11
Auto Registrations:[3] New Cars .*Number*	32	42	— 24	— 36	— 40
" " New Trucks "	11	18	— 39	+267	— 66
•Bank Debits Index[2, f] *1935-39*	178	169	+ 6	+ 12	+ 19
Commercial Failures[12] ..... *Number*	0	1	— 1†	— 3†	— 13†
" Liabilities .....*Thous. Dol.*	0	66	—100	—100	— 63
Val. Bldg. Permits—Tot. Ind.[13, f] *1935-39*	14	24	— 41	— 82	— 80
Residential..... "	14	26	— 47	— 89	— 79
Non-Residential ..... "	8	8	— 1	— 13	— 66
DAYTON					
Number Employed Indexes:[7]					
Total[b] *1935-39*	—	—	—	—	—
All Manufacturing (145)[a] ... "	171	171	— (c)	+ 6	+ 19
Nonmanufacturing[b] ..... "	—	—	—	—	—
Construction (56)[g] ..... "	85	90	— 6	+ 15	— 23
•Pay Roll Indexes:[7] Total[b] ..... "	—	—	—	—	—
All Manufacturing (145)[a] ... "	405	408	— (c)	+ 41	+ 45
Nonmanufacturing[b] ..... "	—	—	—	—	—
Construction (56)[g] ..... "	183	210	— 13	+ 28	— 13
Cost of Living[20] ..... *Jan. 1939*	122	122	— (c)	+ 4	+ 5
Retail Sales—Independent Stores[9] (28)[a]	—	—	+ 4	+ 7	+ 15
Auto Registrations:[3] New Cars .*Number*	10	11	— 9	— 80	— 60
" " New Trucks "	4	8	— 50	+300	— 57
•Bank Debits Index[2, f] *1935-39*	232	224	+ 4	+ 18	+ 24
Commercial Failures[12] .....*Number*	0	0	0	0	— 8†
" Liabilities .....*Thous. Dol.*	0	0	0	0	—100
Indus. Power Consump. Index[1, f] *1935-39*	200	208	— 4	+ 15	+ 25
Val. Bldg. Permits—Tot. Ind.[13, f] "	307	594	— 48	+113	+105
Residential ..... "	272	1,611	— 83	+ 21	+200
Non-Residential ..... "	179	48	+271	(c)	— 56
TOLEDO					
Number Employed Indexes:[7]					
Total[b] *1935-39*	—	—	—	—	—
All Manufacturing (149)[a] ... "	146	147	— (c)	+ 10	+ 14
Nonmanufacturing[b] ..... "	—	—	—	—	—
•Pay Roll Indexes:[7] Total[b] ..... "	—	—	—	—	—
All Manufacturing (149)[a] ... "	277	281	— 1	+ 15	+ 28
Nonmanufacturing[b] ..... "	—	—	—	—	—
Cost of Living[20] ..... *Jan. 1939*	123	123	— (c)	+ 2	+ 5
Retail Sales—Independent Stores[9] (61)[a]	—	—	+ 11	+ 25	+ 17
Auto Registrations:[3] New Cars .*Number*	23	22	+ 5	— 23	— 31
" " New Trucks "	8	35	— 77	+ 60	+ 70
•Bank Debits Index[2, f] *1935-39*	206	203	+ 1	+ 14	+ 15
Commercial Failures[12] .....*Number*	1	3	— 2†	0	— 10†
" Liabilities .....*Thous. Dol.*	25	36	— 31	(c)	— 13
Indus. Power Consump. Index[1, f] *1935-39*	248	241	+ 3	+ 19	+ 23
Val. Bldg. Permits—Tot. Ind.[13, f] "	40	80	— 50	+461	— 61
Residential ..... "	0	0	0	0	—100
Non-Residential ..... "	94	93	+ (c)	+809	— 44
YOUNGSTOWN					
Number Employed Indexes:[7]					
Total[b] *1935-39*	—	—	—	—	—
All Manufacturing (77)[a] .... "	123	122	+ (c)	+ 5	— 1
Nonmanufacturing[b] ..... "	—	—	—	—	—
Construction (35)[g] ..... "	64	58	+ 10	— 10	— 24
•Pay Roll Indexes:[7] Total[b] ..... "	—	—	—	—	—
All Manufacturing (77)[a] .... "	225	231	— 3	+ 17	+ 33
Nonmanufacturing[b] ..... "	—	—	—	—	—
Construction (35)[g] ..... "	124	117	+ 6	+ 15	+ 21
Cost of Living[20] ..... *Jan. 1939*	126	126	+ (c)	+ 5	+ 6
Retail Sales—Independent Stores[9] (27)[a]	—	—	+ 11	+ 18	+ 13
Auto Registrations:[3] New Cars .*Number*	19	22	— 14	+ 6	— 44
" " New Trucks "	4	12	— 67	(c)	— 17
•Bank Debits Index[2, f] *1935-39*	186	205	— 10	+ 11	+ 13
Commercial Failures[12] .....*Number*	2	0	+ 2†	0	— 4†
" Liabilities .....*Thous. Dol.*	17	0	(c)	+143	— 75
Indus. Power Consump. Index[1, f] *1935-39*	194	200	— 3	+ 5	+ 15
Val. Bldg. Permits—Tot. Ind.[13, f] "	43	20	+113	+508	— 66
Residential ..... "	0	(c)	—100	0	— 96
Non-Residential ..... "	140	7	(c)	(c)	— 12
Steel Ind. Oper. Rate[18] *4 Wks. Av. % Cap.*	95	98	— 3	— 3	+ 4

•Indicates Series Charted (page 7). For Sources and Footnotes, see page 8a.

the Chief Ohio Cities

COLUMBUS

November employment in manufacturing industries was up 1 per cent from October, 11 per cent from November, 1942, and 28 per cent for the first 11 months of the year as compared with 1942. In the same period, manufacturing pay rolls increased 2, 26, and 44 per cents, respectively. Retail sales of 46 independent retailers were up 14 per cent from October, and 21 per cent both from November, 1942, and for the year to date. Retail food prices remained unchanged in November from October, but were up 6 per cent from November, 1942. Bank debits rose 6 per cent from October and 12 per cent from November, 1942. The value of building permits declined 41 per cent in November from October and 80 per cent for the year to date.

DAYTON

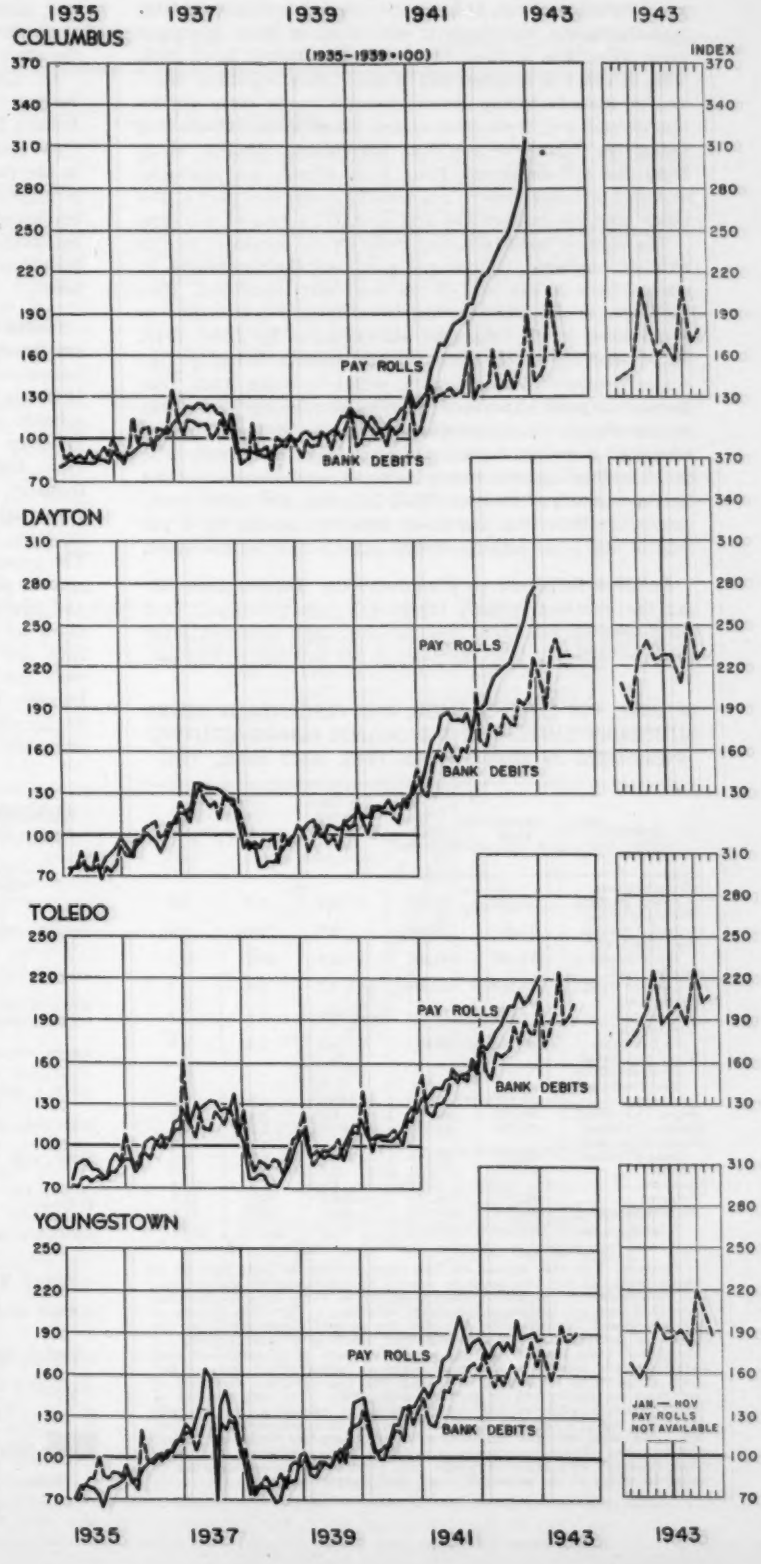
Employment in manufacturing industries was down fractionally from October, but was up 6 per cent from November, 1942, and 19 per cent for the year to date. Manufacturing pay rolls declined fractionally in November from October, but were up 41 per cent from November, 1942, and 45 per cent for the year to date. Cost of living was down fractionally from October, but was up 4 per cent from November, 1942. Sales of 28 independent retailers rose 4 per cent from October and 7 per cent from November, 1942. Bank debits were up 4 per cent in November from October and 18 per cent from November, 1942. Industrial power consumption declined 4 per cent from October but was up 25 per cent for the year to date.

TOLEDO

All manufacturing employment declined fractionally in November from October, but was up 10 per cent from October, 1942, and 14 per cent for the first 11 months of the year as compared with the same period in 1942. Pay rolls in manufacturing industries were down 1 per cent from October, but were up 15 per cent from November, 1942, and 26 per cent for the year to date. Cost of living decreased fractionally from October, but was up 2 per cent from November, 1942. Sales of 61 independent retailers were up 11 per cent in November from October and 25 per cent from November, 1942. Bank debits rose 1 per cent from October and 14 per cent from November, 1942. Industrial power consumption rose 3 per cent from last month and 14 per cent from October, 1942.

YOUNGSTOWN

November manufacturing employment was up fractionally from October, while pay rolls declined 3 per cent for the same period of time, as compared with November, 1942, employment rose 5 per cent while pay rolls increased 17 per cent. For the first 11 months of the year, as compared with 1942, employment declined 1 per cent, while pay rolls increased 15 per cent. Cost of living was up fractionally from October, 5 per cent from November, 1942. Sales of 27 independent retailers were up 11 per cent from last month and 18 per cent from November, 1942. Industrial power consumption was down 3 per cent from October, but was up 5 per cent from November, 1942. The steel industry operated at 95 per cent of capacity.



Number Employed in the Major Manufacturing Industries in Ohio—The total number of employees (wage earners, clerical workers, and salespeople not taveling) in Ohio manufacturing industries is estimated to have increased from .75 million in June, 1940, to 1.27 million in June, 1943. This increase in employment of more than .5 million workers in manufacturing establishments came from among the unemployed, from other states, from nonmanufacturing industries (domestic service, agriculture, trades, etc.), from the self-employed, from high schools and colleges, and also includes persons not usually considered part of the labor market—housewives and previously retired workers.

The leading manufacturing industry, as measured by the number employed, is iron and steel and their products, in which about 35 per cent of the total were employed. Employment in this industry increased from 273 thousand in June, 1940, to an estimated 445 thousand by June, 1943. Manufacturing employment in the vehicle industry (includes production of aircraft), which in June, 1943, was the second most important industry, employing 19 per cent of the state's total, increased from 45 thousand to 144 thousand over the 3-year period ending June, 1943. The third leading manufacturing industry, as measured by the number employed in June, 1943, is metal and metal products other than iron and steel, which accounted for 7 per cent of the total manufacturing employment in the state.

Relative Increases in Manufacturing Employment—By far the greatest relative increase in unemployment over the 3-year period, June, 1940, to June, 1943, occurred in the vehicles industry (and increase of 436 per cent). The second largest relative increase in employment over the same period, an increase of 132 per cent, took place in the metal and metal products industry. The relative increases in these two industries were the only ones which were above the state average of 68 per cent.

Of the remaining 11 major manufacturing industry groups, 7 showed relative increases in employment ranging from a high of 63 per cent in the iron and steel group to 1 per cent in the stone, clay, and glass group. Employment in the food group registered the largest relative decrease in employment (6 per cent) while the relative decrease in employment of 3 per cent in the textiles group was the smallest of the decreases which took place in the 4 manufacturing groups which experienced decreases in employment.

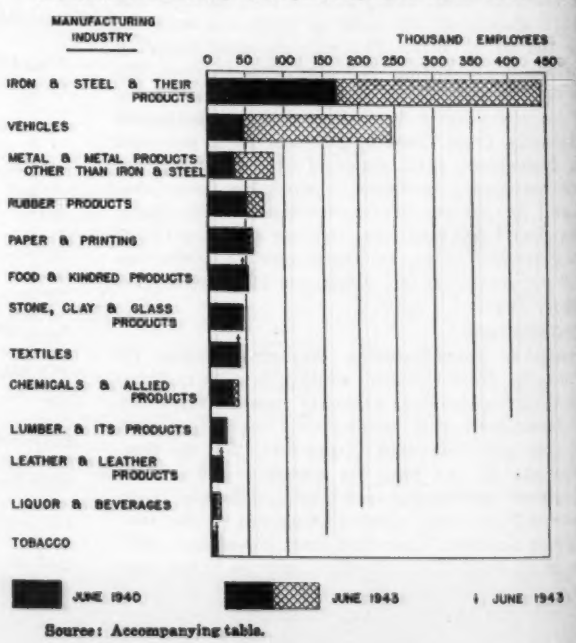
Shifts in Importances of the Various Major Manufacturing Groups—The iron and steel group which ranked first in importance as measured by the number employed in June, 1940, maintained its position in June, 1943. The most significant shifts occurred in employment in the vehicles industry, which in June, 1940, was in fourth place and by June, 1943, had moved to second place, and in the metals industry, which in June, 1940, was in seventh place and by June, 1943, had moved to third place. In fourth place both in June, 1940, and in June, 1943, is the rubber industry. The paper and printing industry which in June, 1940, held second place, shifted to fifth place by June, 1943. Food and kindred products decreased in importance from third place in June, 1940, to sixth place in June, 1943. Stone, clay, and glass shifted from fifth place to seventh place over the corresponding period. The remaining 6 major industry groups in order of their importance as measured by the number employed in June, 1943, are textiles, chemicals, lumber, leather, liquors, and tobacco.

NUMBER, PER CENT CHANGE, AND PERCENTAGE DISTRIBUTION OF EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES IN OHIO, JUNE, 1940, AND JUNE, 1943

Industry	June, 1940	June, 1943 Estimated	Per Cent Change June, 1943 from June, 1940	Percentage Distribution	
				June, 1940	June, 1943
Chemicals and Allied Products	27,142	36,750	+ 35.4	3.6	2.9
Food and Kindred Products.	51,967	48,849	— 6.0	6.9	3.9
Iron, Steel, and Their Products	273,166	444,987	+ 62.9	36.2	35.1
Leather and Leather Prod..	16,984	16,441	— 3.2	2.3	1.3
Liquors and Beverages.....	8,541	10,019	+ 17.3	1.1	.8
Lumber and Its Products...	19,152	20,014	+ 4.5	2.5	1.6
Metal and Metal Products (other than Iron and Steel).....	37,497	86,806	+131.5	5.0	6.8
Paper and Print.	56,520	58,781	+ 4.0	7.5	4.6
Rubber Products	46,626	72,643	+ 55.8	6.2	5.7
Stone, Clay, and Glass Products	42,573	42,999	+ 1.0	5.6	3.4
Textiles.....	38,973	37,921	— 2.7	5.2	3.0
Tobacco.....	4,010	3,822	— 4.7	.5	.3
Vehicles	45,536	244,210	+436.3	6.0	19.2
Miscellaneous....	86,199	144,443	+ 67.6	11.4	11.4
Total Manufac.	754,886	1,268,685	+ 68.1	100.0	100.0

Source: The 1940 figures are those compiled by the Ohio Division of Labor Statistics and are based on reports submitted by all manufacturing establishments in Ohio normally employing three or more persons. The 1943 data are estimates calculated as follow: The Ohio Bureau of Unemployment Compensation provided the sample which served as the basis for determining the estimated link relatives of employment for June, 1943, from June, 1940. The sample includes, of all manufacturing establishments subject to the unemployment compensation law, 10 per cent of the firms employing less than 200 and complete coverage of the firms employing 200 or more in June, 1943. The link relative of employment in each of the major industries calculated by properly weighting the link relatives of employment for firms employing less than 200 along with the link relatives of employment for firms employing 200 or more. These weighted link relatives were applied to the June, 1940, "census" data supplied by the Ohio Division of Labor Statistics in order to arrive at the estimated June, 1940, employment.

NUMBER EMPLOYED IN THE MAJOR MANUFACTURING INDUSTRY GROUPS, OHIO, JUNE, 1940 AND 1943



Source: Accompanying table.